

-1- (JAPIO)	85-146457
ACCESSION NUMBER	ZINC ALKALINE BATTERY
TITLE	(2000582) MATSUSHITA ELECTRIC IND CO LTD
PATENT APPLICANT	MIURA, AKIRA; OKAZAKI, RYOJI; OHIRA, TSUKASA; TAKADA,
INVENTORS	KANJI
PATENT NUMBER	85.08.02 J60146457, JP-85-146457
APPLICATION DETAILS	84.01.06 84JP-000973, 59-973
SOURCE	85.12.06 SECT. E, SECTION NO. 364; VOL. 9, NO. 310, PG. 139.
INT'L PATENT CLASS	H01M-004/42; C22C-018/00
JAPIO CLASS	42.9 (ELECTRONICS--Other); 12.2 (METALS--Metallurgy Heat Treating); 12.3 (METALS--Alloys)
ABSTRACT	<p>PURPOSE: To increase the discharge performance of a zinc electrode especially during large-current discharge by using as the negative active material a material prepared by amalgamating a zinc alloy principally composed of zinc and containing aluminum and magnesium.</p> <p>CONSTITUTION: A material prepared by amalgamating a zinc alloy containing aluminum and magnesium is used as an active material for a negative electrode 2. It is preferable that the contents of aluminum and magnesium in the zinc alloy be 0.01-5wt% and that the total content of these elements be 0.02-6wt%. As a result, it is possible to increase the utilization rate of zinc for electric discharge during large-current electric discharge, thereby greatly increasing the capacity of the battery.</p>